



Pfeiffer XtraDry 150-2

Technical Specifications

Size	Unit	XtraDry 250-1	XtraDry 150-2
Connections			
Vacuum flange		DN 25 ISO-KF	DN 25 ISO-KF
Exhaust flange		DN 25 ISO-KF exhaust silencer alternatively	DN 25 ISO-KF exhaust silencer alternatively
Pumping speed at 1000 mbar	m ³ /h	13	7.5
Final pressure without gas ballast	mbar	≤ 7	≤ 0.1
Final pressure with gas ballast	mbar	20	≤ 0,2
Max. permissible intake pressure	mbar	1000	1000
Max. permissible intake pressure for continuous operation	mbar	< 25	< 25
Max. permissible chamber volume for cyclic applications		hourly or more often < 10 l daily or less frequent < 30 l	hourly or more often < 10 l daily or less frequent < 30 l
Permissible exhaust pressure	mbar	≤ 1100	≤ 1100
Rotation speed	min ⁻¹	620 / 950	620 / 950
Water vapor tolerance	mbar	2	2
Water vapor acceptable capacity	g/h	20	10
Leak rate	mbar l/s	≤ 1 • 10 ⁻²	≤ 1 • 10 ⁻²
Max. operating altitude (a. s. l)	m	2000	2000
Ambient permissible temperature range	°C °F	+12 ... +40 50°F ... 100°F	+12 ... +40 50°F ... 100°F
Noise level	dB(A)	< 65	< 65
Motor power supply			
50/60 Hz (Europa)	V/AC	207 ... 253	207 ... 253
50/60 Hz (USA)	V/AC	103 ... 126	103 ... 126
50/60 Hz (Japan)	V/AC	90 ... 110	90 ... 110
Nominal motor power	W	550	550
Max. input current at nominal voltage			
230 V	A	6	6
115 V	A	11	11
100 V	A	11,5	11,5
Motor protection		IP 32	IP 32
Weight, approx.	kg	30	30



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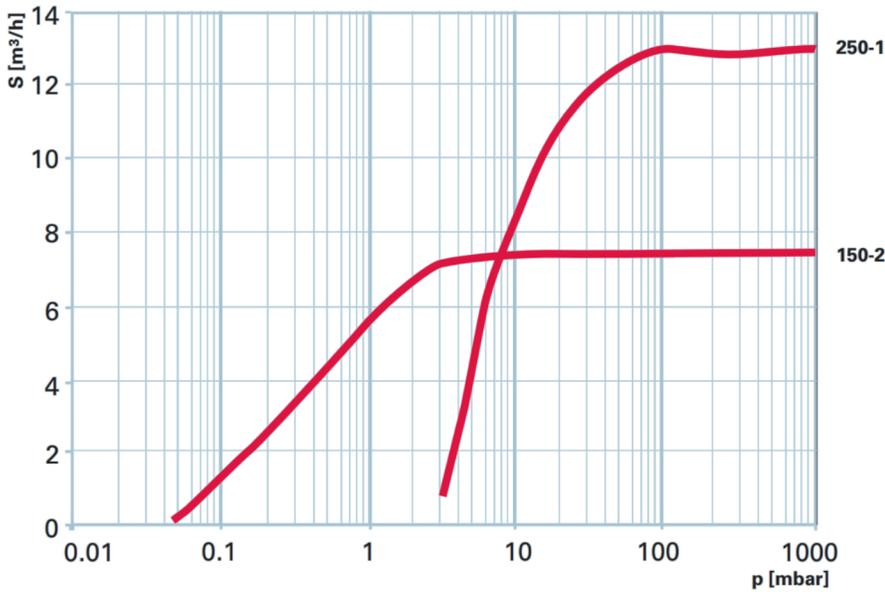
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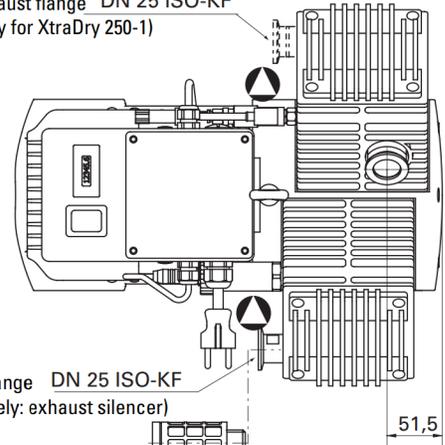
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Pfeiffer XtraDry 150-2 Pumping Curves

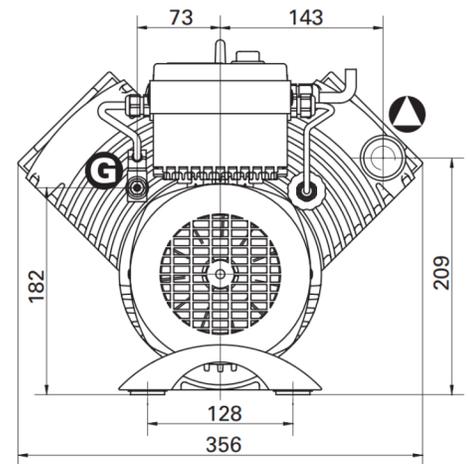
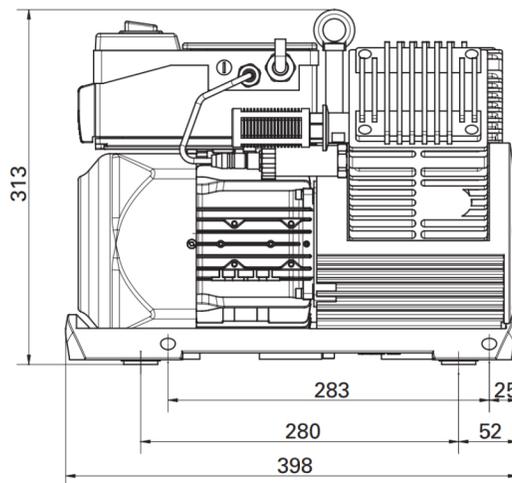
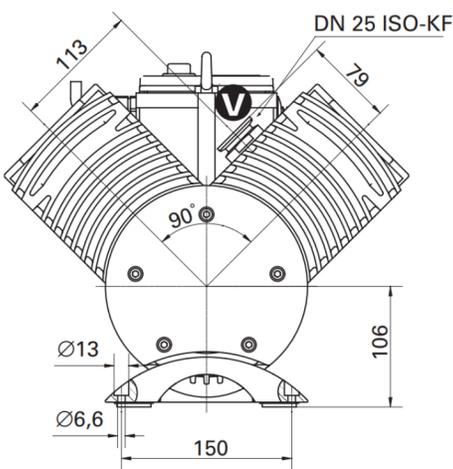


Exhaust flange DN 25 ISO-KF
(only for XtraDry 250-1)



Exhaust flange DN 25 ISO-KF
(alternatively: exhaust silencer)

Dimensions





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Pfeiffer XtraDry 150-2 Features & Benefits

- oil-free, dry pump chamber
- no process contamination or particle emissions
- soft-start mode eliminates turbulence
- high volume rate independent of the gas type
- low vibration levels for extremely quiet operation
- standby mode increases service life

Applications

- backing pump for high vacuum pumps • analytical • leak detectors
- mass spectrometry • electron microscopy • medical technology
- sterilization • vacuum packaging • lamp & tube production
- coating • robotics • differential sealing systems

